



CompuChem

A Division Of

Liberty Analytical Corp.

4/28/2011

ANDY STINSON

ARCADIS

4915 PROSPECTUS DRIVE, SUITE F

DURHAM, NC 27713

Subject:

Report of Data - Project: PCB CAULKING

WorkOrder: 1104108

Attn.: ANDY STINSON

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER  
OF PAGES \_\_\_\_



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**CompuChem, a division of Liberty Analytical****Client:** ARCADIS**Work:** 1104108**Project:** PCB CAULKING**Sdg:** 1104108

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Lab ID	Client ID	Matrix	Date Sampled	Date Received
1104108-01	L1270101	Soil	11/15/2010 00:00	04/21/2011 12:48

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## ANALYSES DATA PACKAGE COVER PAGE

**Client:** ARCADIS

**Project:** PCB CAULKING

**Laboratory:** COMPUCHEM

**SDG:** 1104108

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**Client Sample Id:**

L1270101

**Lab Sample Id:**

1104108-01

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:

S. A. Parikh

Name:

SAROJ A. PARIKH

Date:

04/28/11

Title:

Data Reviewer II



**CompuChem**

A Division Of  
Liberty Analytical Corp.



# CompuChem

a division of Liberty Analytical Corporation  
501 Madison Avenue  
Cary, N.C. 27513  
Tel: 919/379-4100 Fax: 919/379-4050

**SDG NARRATIVE**  
**SDG # 1104108**  
**Project: PCB CAULKING**  
**PROTOCOL: SW-846 – 8082A**  
**Date: April 28, 2011**

EPA Sample Number	PCB Fraction	DL/RE/RX	Percent Moisture Value of the Soil Sample (%)
L1270101	Yes	No	N/A

The one (1) PCB extract listed above was delivered by client, with proper documentation, on April 21, 2011.

The sample was scheduled for the requested analysis of the PCB fraction. SW-846, 3rd Edition, Update III, Method 8082A was used to analyze this sample, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the PCB fraction only.

**PCBs:**

No percent moisture was determined for sample L1270101 and the results are reported on a wet weight basis.

No Aroclor project analytes were confirmed above the reporting limits in sample L1270101. There is not enough of the pattern to match Aroclor-1260 or Aroclor-1262 to discern which is in the sample. The Aroclor could be weathered, causing a different pattern.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

There is no method blank associated with sample L1270101.

There are no duplicate matrix spikes or Laboratory Control Samples included with this SDG.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and/or in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

**Saroj A. Parikh**  
**Data Reviewer II**  
**April 28, 2011**



# ANALYSIS DATA SHEET

## 8082A

**L1270101**

Client: ARCADIS                      SDG: 1104108                      Project: PCB CAULKING

Matrix: Soil                      Extraction: EPA 3550B GC                      File ID: 161u1104108-01.d                      Sampled: 11/15/10 00:00

Initial/Final: 0.503g / 5000uL                      Sulfur Cleanup: N                      Lab ID: 1104108-01                      Received: 04/21/11 12:48

Dilution: 1                      pH:                      Florisil Cleanup: N                      Prepared: 04/22/11 08:00

% Moisture: NA                      GPC Cleanup: N                      GPC Cleanup Factor: N                      Analyzed: 04/22/11 19:59

Batch: 1042822                      Sequence: 1D28006                      Calibration: 1042001                      Instrument: tracegc86

CAS NO.	COMPOUND	CONC. (ug/kg wet)	DL	LOD	LOQ	Q
12674-11-2	Aroclor-1016		170	360	1000	U
11104-28-2	Aroclor-1221		320	720	1000	U
11141-16-5	Aroclor-1232		290	720	1000	U
53469-21-9	Aroclor-1242		110	240	1000	U
12672-29-6	Aroclor-1248		72	180	1000	U
11097-69-1	Aroclor-1254		100	240	1000	U
11096-82-5	Aroclor-1260		110	360	1000	U
37324-23-5	Aroclor-1262		83	180	1000	U
11100-14-4	Aroclor-1268		58	120	1000	U
SYSTEM MONITORING COMPOUND		ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
DCB (A)			52.29		60 - 125	*
DCB (A) [2C]			51.09		60 - 125	*
TCX (A)			391.2		43 - 135	*
TCX (A) [2C]			374.2		43 - 135	*

\* Values outside of QC limits



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## PREPARATION BATCH SUMMARY

8082A

Client: ARCADIS

SDG: 1104108

Project: PCB CAULKING

Batch: 1042822

Matrix: Soil

Preparation: EPA 3550B\_GC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (g)	FINAL VOL/WT (uL)
L1270101	1104108-01	04/22/11 08:00	0.503	5000



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## CHAIN OF CUSTODY RECORD

Page 1 of 1

[illegible]

10-8014011

**4/21/2011**

4/21/11 @ 1248

4/21/11 @ 1248

**501 Madison Ave.**  
**Cary, NC**

(phone) 818-541-5529

**(fax) 818-544-5690**

**Report results to:** Andy Slinson



**REQUEST FOR PURCHASING ACTION / PURCHASE ORDER®**

**Database Compliant**  
**8/2009**



Bill to: ARCADIS, ATTN: Mary Harris, 640 Plaza Dr ste 130, Highwoods Ranch, CO 80129

<b>VENDOR</b>	<b>CONTACT</b>
Compuchem	Cathy Dover
<b>PHONE</b>	<b>FAX</b>
(919) 379-4089	
<b>EMAIL / WEBSITE</b>	
www.compuchemlabs.com/	
<b>PROPOSED VENDOR / MANUFACTURER</b>	<b>MANUFACT. SUBSTITUTION OK?</b>
	<input type="radio"/> YES <input checked="" type="radio"/> NO*
*explain in Special Instructions/Comments	

Ship to:  
 DROP SHIP

ARCADIS  
 4915 Prospectus Drive  
 Suite F  
 Durham, NC 27713  
 (919) 544-4535

EPA  
 109 TW Alexander Drive  
 Building E Loading Dock  
 RTP, NC 27711

PURCHASE ORDER NUMBER	
RB68962	
CONTRACT DATE	CONTRACT #
4/20/2011	
PAGE	PAGES
1	1

SHIP VIA	
TERMS	NET 30
FREIGHT	Prepay and Add

REQUESTIONER		DATE
Andy Stinson		4/19/2011
APPROVAL (SIGNATURE)		DATE
OLS APPROVAL	>>>> DATE REQUIRED <<<<<	
	4/26/2011	

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FOR OFFICIAL USE ONLY

SHIP VIA

TERMS

FREIGHT

Prepay and Add

ARCADIS 

ITEM	PROJECT	PHASE	TASK	% SPLIT	DESCRIPTION	PART NUMBER	QTY	UNIT	UNIT PRICE	EXT	SHIP 1	SHIP 2	SHIP 3
1	RN990272	0049	00001	100%	GC-8082A/PCB DOD In Soil (8082A) (see attached quote)		1	ea	\$60.00	\$60.00			
							-						
										\$60.00			

**VENDORS:** To avoid delays in payment, please confirm price and delivery by FAX or email.

CHEMICAL?	
<input type="radio"/> YES	<input type="radio"/> NO

EPA CUSTODIAN	SAFETY APPROVAL DATE

<b>IN-PLANT DESTINATION</b>
H250
<b>CONTACT</b>
Andy Stinson
<b>PHONE</b>
(918) 541-5529

BUYER'S SIGNATURE	DATE
<b>Rick Bullock</b> <b>PHONE: (919) 544-4535</b> <b>FAX: (919) 544-5690</b> <b>EMAIL: <a href="mailto:DurhamPurchasing@arcadis-us.com">DurhamPurchasing@arcadis-us.com</a></b>	

**To print with Terms and Conditions, select 2-sided, flip on short edge**



## WORK ORDER

Printed: 4/28/2011 1:14:46PM

1104108

## COMPUCHEM

Client: **ARCADIS**  
Project: **PCB CAULKING**  
SDG: **1104108** CASE:

Project Manager: **Cathy Dover**  
Project Number: **PCB CAULKING**  
Status: **Reviewed**

Report To:  
ARCADIS  
ANDY STINSON  
4915 PROSPECTUS DRIVE, SUITE F  
DURHAM, NC 27713  
Phone: (919) 541-5529  
Fax: -

Invoice To:  
ARCADIS  
MARY HARRIS-AP (DURHAM NC)  
630 PLAZA DRIVE, SUITE 100  
DENVER, CO 80129  
Phone :-  
Fax: -

Date Due: 05/01/2011 00:00 (10 day TAT)

Received By: Cathy Dover

Date Received: 04/21/2011 12:48

Logged In By: Cathy Dover

Date Logged In: 04/21/2011 21:58

J & B Flags?: **YES**  
Metals ND to? **LOD**

TICS?:**NO**  
Spike Level: **FULL Spike**

Deliverable: **Style 3 E-mail Only**

EDD : **68) LATA EXCEL**

PCB 8082A EXTRACT-RPT. TCL + 1262 & 1268\*NO ASSOC. QC SUPPLIED; FINAL VOL=5ml; INT.WT.=0.503 GRAMS

Analysis	Due	TAT	Expires	Received	Comments
1104108-01 L1270101 [Soil] Sampled 11/15/2010 00:00 Eastern					EXTRACT-ALREADY FOR ANALYSIS
GC-8082A PCB DOD	05/01/2011 16:00	10	11/29/2010 00:00	04/21/2011 12:48	SubList = GC- 8082 ALL (04-21-11)
Solids, Dry Weight	05/01/2011 16:00	10	05/14/2011 00:00	04/21/2011 12:48	